


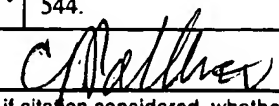
<b>Form PTO-1449</b> (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. <b>UCT-0039</b>		SERIAL NO. <b>10/656,868</b>	
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)				APPLICANT <b>WELLER et al.</b>			
(37 cfr 1.98(b))				FILING DATE <b>September 4, 2003</b>		GROUP <b>1652</b>	



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CA	AA	4,736,866	04/12/1988	Leder et al.			
	AB	4,853,230	08/01/1989	Lovgren et al.			
	AC	4,873,191	10/10/1989	Wagner et al.			
	AD	5,422,120	06/06/1995	Kim			
	AE	5,714,353	02/03/1998	Pathak et al.			
CM	AA	5,741,486	04/21/1998	Pathak et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION								
		DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AB	EP 0 225 189 B1	07.10.92	European				
	AB	EP 0 465 529 B1	29.04.98	European				
	AD	EP 0 524 968 B1	07.06.95	European				
	AE	EP 0 827 545 B1	27.02.02	European				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)		
CA	AA	Altschul et al., (1990), "Basic Local Alignment Search Tool", <i>J. Mol. Biol.</i> , Vol. 215, 403-410.
/	AL	Altschul et al., (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", <i>Nucleic Acids Res.</i> , Vol. 25, No. 17, 3389-3402.
/	AM	Better et al. (1988), " <i>Escherichia coli</i> Secretion of an Active Chimeric Antibody Fragment"; <i>Science</i> , Vol. 240, 1041-1043.
CM	AM	Bitter et al. (1987), "[33] Expression and Secretion Vectors of Yeast", <i>Methods in Enzymology</i> , Vol. 153, 516-544.

EXAMINER 	DATE CONSIDERED <b>9/23/05</b>
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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 (6-4))

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EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CA	AD	5,945,339	08/31/1999	Holloman et al.			
	AD	6,096,534	08/01/2000	Barsov et al.			
	AD	6,140,111	10/31/2000	Riviere et al.			
	AD	6,190,907	02/20/2001	Kim et al.			
CA	AS	6,355,412	03/12/2002	Stewart et al.			
<b>FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION</b>							
		DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	AT	WO 91/16024	31.10.91	World			
	AV	WO 91/16116	31.10.91	World			
	AV	WO 91/17424	14.11.91	World			
	AV	WO 95/13796	26.05.95	World			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)</b>							
CA	AX	Bradley et al., (1986), "Embryo-Derived Stem Cells: A Tool for Elucidating the Developmental Genetics of the Mouse", <i>Current Topics in Dev. Biol.</i> , Vol. 20, 357-371.					
	AY	Copeland, et al., (2001), "Recombineering: A Powerful New Tool For Mouse Functional Genomics", <i>Nat. Rev. Genet.</i> , Vol. 2, 769-779.					
	AZ	Doetschman et al., (1985), "The <i>in vitro</i> development of blastocyst-derived embryonic stem cell lines: formation of visceral yolk sac, blood islands and myocardium, <i>J. Embryol. Exp. Mol. Biol.</i> , Vol. 87, 27-45.					
CA	BA	Findeis et al., (1993), "Targeted delivery of DNA for gene therapy via receptors", <i>Trends in Biotechnol.</i> , Vol. 11, 202-205.					
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CA		BB	Friedman, et al., (2001), "Bacteriophage lambda: alive and well and still doing its thing" <i>Curr Opin Microbiol</i> , Vol. 4, 201-207.		
		BC	Goldstein, et al., (1998), "The Exonuclease Activity of HSV-1 UL12 is Required for <i>in Vivo</i> Function; <i>Virology</i> , Vol. 244, 442-457.		
		BD	Gordon, Jon W., (1989), "Transgenic Animals"; <i>International Review of Cytology</i> , Vol. 115, 171-229.		
		BE	Haensler et al., (1993), "Synthesis and Characterization of a Trigalactosylated Bisacridine Compound To Target DNA to Hepatocytes"; <i>Bioconjugate Chem</i> , Vol. 4, 85-93.		
		BF	Hill, et al., (2000); "BAC Trimming: Minimizing Clone Overlaps", <i>Genomics</i> , Vol. 64, 111-113.		
		BG	Ikari et al., (2001); " $\alpha$ 1-Proteinase Inhibitor, $\alpha$ 1-Antichymotrypsin, and $\alpha$ 2-Macroglobulin Are the Antiapoptotic Factors of Vascular Smooth Muscle Cells", <i>Journal of Biological Chemistry</i> , Vol. 276, No. 15, 11798-11803.		
		BH	Ioffe et al., (1995); "WW6: An embryonic stem cell line with an inert genetic marker that can be traced in chimera"; <i>Proc. Natl. Acad. Sci.</i> , Vol. 92, 7357-7361.		
		BI	Karlin, et al., (1990); "Methods for assessing the statistical significance of molecular sequence features by using general scoring schemes"; <i>Proc. Natl. Acad. Sci., U.S.A.</i> , Vol. 87, 2264-2268.		
		BJ	Lavitrano et al., (1989); "Sperm Cells as Vectors for Introducing Foreign DNA into Eggs; Genetic Transformation of Mice"; <i>Cell</i> , Vol. 57, 717-723.		
		BK	Ledley, et al., (1991); "Clinical Considerations in the Design of Protocols for Somatic Gene Therapy"; <i>Human Gene Therapy</i> , Vol. 2, 77-83.		
		BL	Ledley, et al., (1996); "Pharmaceutical Approach to Somatic Gene Therapy"; <i>Pharmaceutical Research</i> , Vol. 13, 1595-1613.		
CM		BM	Lee, et al., (2001); "A Highly Efficient <i>Escherichia coli</i> -Based Chromosome Engineering System Adapted for Recombinogenic Targeting and Subcloning of BAC DNA"; <i>Genomics</i> , Vol. 73, 56-65.		
EXAMINER M. Patton			DATE CONSIDERED 9/23/05		
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CA	BN	Legan et al., (1975); "Role of Estrogen as Initiator of Daily LH Surges in the Ovariectomized Rat <sup>1,2</sup> "; <i>Endo</i> ; Vol. 96, 50-56.			
	BO	Lo (1983); "Transformation by Iontophoretic Microinjection of DNA: Multiple Integrations Without Tandem Insertions"; <i>Mol. Cell Biol.</i> , Vol. 3, No. 10, 1803-1814.			
	BP	Logan, et al., (1984); "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection"; <i>Proc. Natl. Acad. Sci. U.S.A.</i> , Vol. 81, 3655-3659.			
	BQ	Lowy, et al., (1980); "Isolation of Transforming DNA: Cloning the Hamster aprt Gene"; <i>Cell</i> , Vol. 22, 817-823.			
	BR	Muyrers, et al., (2000); "RecE/RecT and Red $\alpha$ /Red $\beta$ initiate double-stranded break repair by specifically interacting with their respective partners"; <i>Genes &amp; Dev.</i> , Vol. 14, 1971-1982.			
	BS	Muyrers, et al., (2000); "Point mutation of bacterial artificial chromosomes by ET recombination"; <i>EMBO Rep.</i> , Vol. 1, 239-243.			
	BT	Muyrers, et al., (2000); "ET-Cloning: Think Recombination First"; <i>Genetic Eng.</i> , Vol. 22, 77-98.			
	BV	Muyrers, et al., (1999); "Rapid modification of bacterial artificial chromosomes by ET-recombination"; <i>Nucleic Acids Res.</i> , Vol. 27, 1555-1557.			
	BV	Muyrers, et al., (2001); "Techniques: Recombinogenic engineering - new options for cloning and manipulating DNA"; <i>Trends in Biochemical Sciences</i> , Vol. 26, No. 5, 325-331.			
	BW	Resnick, et al., (1989); "The Pathophysiology of Urinary Incontinence Among Institutionalized Elderly Persons"; <i>The New England Journal of Medicine</i> ; Vol. 320, No. 1, 1-7.			
	BX	Salier, et al., (1996); "The inter- $\alpha$ -inhibitor family: from structure to regulation"; <i>Biochem Journal</i> ; Vol. 315, 1-9.			
CM	BY	Stow, N.D., (1992); "Herpes simplex virus type 1 origin-dependent DNA replication in insect cells using recombinant baculoviruses"; <i>J. Gen. Virol.</i> ; Vol. 73; 313-321.			
EXAMINER CA Walker			DATE CONSIDERED 9/23/05		
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OP	BZ	Szybalska, et al., (1962); "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait"; <i>Proc. Natl. Sci. USA</i> ; Vol. 48, 2026-2034.			
1	CA	Thompson, et al., (1989); "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells"; <i>Cell</i> ; Vol. 56; 313-321.			
1	CB	Yu, et al., (2000); "An efficient recombination system for chromosome engineering in <i>Escherichia coli</i> "; <i>Proc. Natl Acad. Sci USA</i> ; Vol. 97; 5978-5983.			
OP	CC	Van Der Putten, et al., (1985); "efficient insertion of genes into the mouse germ line via retroviral vectors"; <i>Proc. Natl. Acad. Sci. USA</i> ; Vol. 82; 6148-6152.			
→	CD	<del>Wigler et al., (1977); <i>Cell</i>; Vol. 11, 233</del>			
OP	CE	Wu et al., (1991); "Receptor-mediated Gene Delivery <i>in Vivo</i> "; <i>J. Biol. Chem.</i> ; Vol. 266, 14338-14342.			
1	CF	Wu et al., (1988); "Receptor-mediated Gene Delivery and Expression <i>in Vivo</i> "; <i>J. Biol. Chem.</i> ; Vol. 263, No. 29, 14621-14624.			
1	CG	Wu, et al., (1994); "Incorporation of Adenovirus into a Ligand-based DNA Carrier System Results in Retention of Original Receptor Specificity and Enhances Targeted Gene Expression"; <i>J. Biol. Chem.</i> ; Vol. 269, No. 15, 11542-11546.			
1	CH	Zenke, et al., (1990); "Receptor-mediated endocytosis of transferrin-polycation conjugates: An efficient way to introduce DNA into hematopoietic cells"; <i>Proc. Natl. Acad. Sci. USA</i> ; Vol. 87, 3655-3659.			
1	CI	Zhang, et al., (2000); "DNA cloning by homologous recombination in <i>Escherichia coli</i> "; <i>Nt. Biotechnol.</i> ; Vol. 18, 1314-1317.			
1	CJ	NCBI Sequence, Accession M20165; <a href="http://www.ncbi.nlm.nih.gov">www.ncbi.nlm.nih.gov</a> ; printed 8/15/2002.			
OP	CK	NCBI Sequence, Accession NP_044613; <a href="http://www.ncbi.nlm.nih.gov">www.ncbi.nlm.nih.gov</a> ; printed 8/15/2002.			
EXAMINER C. Pullman				DATE CONSIDERED 9/23/05	
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